

LIST OF PRIOR ART CITED BY APPLICANT (PTO-1449)				ATTY. DOCKET NO. FSU-0003		APPLN. SERIAL NO. 09/909,993	
				APPLICANT(S) Susan Davis ALLEN			
				FILING DATE July 23, 2001		GROUP 2878	

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U.S. PATENT DOCUMENTS						
EXAMINER'S INITIALS	*PATENT NO.	*ISSUE DATE	*INVENTOR NAME	CLASS	SUBCLASS	FILING DATE
<div style="font-size: 2em; transform: rotate(-90deg); display: inline-block;">↓</div>	4,752,668	06-21-1988	ROSENFELD et al.			
	4,720,621	01-19-1988	LANGEN			
	4,987,286	01-22-1991	ALLEN			
	5,023,424	06-11-1991	VAUGHT			
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	5,516,369	05-14-1996	LUR et al.			
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U.S. PATENT APPLICATION PUBLICATIONS					
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U.S. PATENT APPLICATIONS					
	*APPLN. NO.	*FILING DATE	*INVENTOR	CLASS	SUBCLASS

FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)	
EXAMINER SutH	DATE CONSIDERED 9/3/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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	4,987,286	1/22/91	ALLEN	219	121.68	

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						Yes	No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Publisher, Place of Publication, Etc.)

SW	A	S.D. Allen, J.O. Porteus and W.N. Faith, Infrared laser-induced desorption of H ₂ O and hydrocarbons from optical surfaces, Appl. Phys. Lett. Vol. 41(5), pp. 416-418 (1982)				
SW	B	S.D. Allen, J.O. Porteus, W.N. Faith, and J.B. Franck, Contaminant and defect analysis of optical surfaces by infrared laser induced desorption, Appl. Phys. Lett. Vol. 45(9), pp. 997-999 (1984)				
SW	C	J.O. Porteus, J.B. Franck, S.C. Seitel and S.D. Allen, Defect characteristics of optical surfaces using pulsed laser damage methods, Optical Engineering Vol. 25, No. 10, pp. 1171-1176 (1986)				
SW	D	W. Zapka, W. Ziemlich and A.C. Tam, Efficient pulsed laser removal of 0.2µm sized particles from a solid surface, Appl. Phys. Lett. Vol. 58 (20), pp. 2217-2219 (1991)				
SW	E	M. Genut, B. Livshits, Y. Uziel, O.Tehar-Zahav, E. Iskevitch, I. Barzilay, Laser removal of foreign materials from semiconductor wafers, Proc. SPIE Vol. 3274, pp. 90-99 (1998)				
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SW	H	Y.F. Lu, W.D. Song, C.K. Tee, D. S-H. Chan, and T.S. Low, Wavelength effects in the laser cleaning process, Jpn. J. Appl. Phys. Vol. 37, pp. 840-844 (1998)				
	I	V. Dobler, R. Oltra, J.P. Boquillon, M. Mosbacher, J. Boneberg and P. Leiderer, Surface acceleration during dry laser cleaning of silicon, Appl. Phys. A 69, pp. S335-S339 (1999)				
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SW	L	C.T. Avedisian, The Homogeneous Nucleation of Limits of Liquids, J. Phys. Chem. Ref. Data Vol. 14, No. 3, pp. 695-729 (1985)				
SW	M	O. Yavas, P. Leiderer, H.K. Park, C.P. Grigoropoulos, C.C. Poon, W.P. Leung, N. Do and A.C. Tam, Optical Reflectance and Scattering Studies of Nucleation and Growth of Bubbles at a Liquid-Solid Interface Induced by Pulsed Laser Heating, Phys. Rev. Lett., Vol. 70, No. 12, pp. 1830-1833 (1993)				
	N	A.C. Tam, H.K. Park and C.P. Grigoropoulos, Laser Cleaning of Surface Contaminants, Appl. Surf. Sci. 127-129, pp. 721-725 (1998)				
SW	O	J.B. Heroux, S. Boughaba, I. Ressejac, E. Sacher and M. Meunier, CO ₂ laser-assisted removal of submission particles from solid surfaces, J. Appl. Phys. 79(6), pp. 2857-2862 (1996)				
SW	P	M. Mosbacher, H-J. Munzer, J. Zimmermann, J. Solis, J. Boneberg & P. Leiderer, Optical field enhancement effects in laser-assisted particle removal, Appl. Phys. A 72, pp. 41-44 (2001)				

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						Yes	No

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SW	Q	D.R. Halfpenny and D.M. Kaner, A quantitative analysis of single pulse ultraviolet dry laser cleaning, J. Appl. Phys. Vol. 86, No. 12, pp. 6641-6646 (1999)
—	R	J.B. Heroux, S. Boughaba, I. Ressac, E. Sacher and M. Meunier, J. Appl. Phys. 79, p. 2857 (1996)
SW	S	X. Wu, E. Sacher and M. Meunier, The modeling of eximer laser particle removal from hydrophilic silicon surfaces, J. Appl. Phys. Vol. 87, No. 8, pp. 3618-3627 (2000)
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SW	U	Y.F. Lu, Y.W. Zheng, W.D. Song, An energy approach to the modelling of particle removal by pulsed laser irradiation, Appl. Phys. A 68, pp. 569-572 (1999)
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—	W	J. Adler, R.K. Sin, Y. Rabinovich and B. Moudgil, J. Coll. In (2000)
—	X	C. Canuto, M.Y. Hussaini, M.Y. Quarteroni, Spectral methods in fluid dynamics, Springer Series in Computational Physics, Springer-Verlag, New York (1988)
—	Y	Q. Chen, H.W. Lee, S. Allen, Bubble formation and growth in liquid encapsulated laser vapor deposition, Proceedings of the 2nd annual Louisiana Aerospace Forum, 113 (1994)
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SW	AA	R.G. Horn, and D.T. Smith, Contact Electrification and Adhesion Between Dissimilar Materials, Science Vol. 256, pp. 362-364 (1992)
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—	DD	J.N. Israelachvili, Intermolecular and Surfaces Forces, Academic Press, London 1992
SW	EE	S.J. Lee, K. Imen, S.D. Allen, CO ₂ Laser assisted particle removal threshold measurements, Appl. Phys. Lett. 61(19), pp. 2314-2316 (1992)
—	FF	S.J. Lee, K. Imen, S.D. Allen, Shock wave analysis of laser particle removal, J. Appl. Phys. 74(12), pp. 7044-7047 (1993)
SW	GG	S.J. Lee, S.D. Allen, S. Miller, Materials Science and Engineering B 49, p. 85 (1997)
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SW	KK	Y.K. Lu, Y.W. Zheng, and W.D. Song, Laser induced removal of spherical particles from silicon wafers, J. Appl. Phys. Vol 87, No. 3, pp. 1534-1539 (2000)
	LL	M. Meunier, J.B. Heroux, S. Boughaba, E. Sacher, CO ₂ laser assisted removal of sub-micron particles from solid-surface, J. Appl. Phys. 79 (6), pp. 2857-2862 (1996)
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SW	TT	S. Miller, Dusty Lab May Revolutionize LEDs, Photonics Technology World, p. 34, September 2000

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